

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 15 (cancelled).

Claim 16 – 36 (withdrawn).

Claim 37 (currently amended): A composition comprising a self-reversible invert latex, wherein said self-reversible invert latex comprises ~~The composition according to Claim 16, wherein said composition further comprises:~~

- a) an oily phase,
- b) an aqueous phase,
- c) at least one water-in-oil type emulsifying agent, and
- d) at least one oil-in-water type emulsifying agent[.].

wherein said water-in-oil type emulsifying agent or said oil-in-water type emulsifying agent comprises at least one cationic polyelectrolyte composition, and wherein said cationic polyelectrolyte composition comprises a plurality of copolymerized monomeric units of at least one cationic monomer with at least one neutral monomer and at least one nonionic surfactant monomer.

Claim 38 (currently amended): ~~The composition according to Claim 37, wherein said water-in-oil type emulsifying agent and said oil-in-water type emulsifying agent are in the form of a self-reversible invert latex of said crosslinked~~ cationic polyelectrolyte composition ~~comprising~~ present is in a range of from about 20% to about 70% by weight of ~~the total composition~~ said self-reversible invert latex.

Claim 39 (currently amended): ~~The composition according to Claim 38, wherein said self-reversible invert latex is in the range of~~ is from about 25% to about 40% by weight of ~~the total composition~~ said self-reversible invert latex.

Claim 40 (currently amended): ~~The composition according to Claim 38, wherein said self-inversible~~ self-reversible invert latex comprises an emulsifying agent in ~~the a~~ range of from about 2.5% to about 15% by weight of said self-reversible invert latex.

Claim 41 (previously presented): The composition according to Claim 40, wherein said range is from about 4% to about 9%.

Claim 42 (currently amended): The composition according to Claim 38, wherein said water-in-oil type emulsifying agent present is in ~~the~~ a range of from about 20% to about 50% by weight of said self-reversible invert latex.

Claim 43 (previously presented): The composition according to Claim 42, wherein said range is from about 25% to about 40%.

Claim 44 (currently amended): The composition according to Claim 38, wherein said oil-in-water type emulsifying agent present is in ~~the~~ a range of from about 50% to about 80% by weight of said self-reversible invert latex.

Claim 45 (previously presented): The composition according to Claim 44, wherein said range is from about 60% to about 75%.

Claim 46 (currently amended): The composition according to Claim 38, wherein said self-reversible invert latex comprises an oily phase in ~~the~~ a range of from about 15% to about 50% by weight of said self-reversible invert latex.

Claim 47 (previously presented): The composition according to Claim 46, wherein said range is from about 20% to about 25%.

Claim 48 (currently amended): The composition according to Claim 38, wherein said self-reversible invert latex comprises water in ~~the~~ a range of from about 5% to about 60% by weight of said self-reversible invert latex.

Claim 49 (previously presented): The composition according to Claim 48, wherein said range is from about 20% to about 50%.

Claim 50 – 59 (withdrawn).

Claim 60 (new): The composition according to Claim 38, wherein said neutral monomer comprises at least one component selected from the group consisting of:

- a) acrylamide,
- b) methacrylamide,
- c) vinylpyrrolidone,
- d) diacetone-acrylamide,
- e) dimethylacrylamide,
- f) (2-hydroxyethyl) acrylate,
- g) (2,3-dihydroxypropyl) acrylate,
- h) (2-hydroxyethyl) methacrylate, and
- i) (2,3-dihydroxypropyl) methacrylate.

Claim 61 (new): The composition according to Claim 60, wherein said composition further comprises an ethoxylated derivative of said component and the molecular weight of said derivative is in a range of from about 400 to about 1000.

Claim 62 (new): The composition according to Claim 38, wherein said cationic monomer comprises at least one component selected from the group consisting of:

- a) 2,N,N,N-tetramethyl-2-[(1-oxo-2-propenyl)amino]propanammonium chloride (AMPTAC),
- b) 2,N,N-trimethyl-2-[(1-oxo-2-propenyl)amino]propanammonium chloride,
- c) N,N,N-trimethyl-3-[(1-oxo-2-propenyl)amino]propanammonium chloride (APTAC),
- d) diallyldimethylammonium chloride (DADMAC),
- e) N,N,N-trimethyl-2-[(1-oxo-2-propenyl)]ethanammonium chloride,
- f) N,N,N-trimethyl-2-[(1-oxo-2-methyl-2-propenyl)]ethanammonium chloride,
- g) N-[2-(dimethylamino)-1,1-dimethyl]acrylamide, N-[2-(methylamino)-1,1-dimethyl]acrylamide, 2-(dimethylamino)ethyl acrylate,
- h) 2-(dimethylamino)ethyl methacrylate, and
- i) N-[3-(dimethylamino)propyl]acrylamide.

Claim 63 (new): The composition according to Claim 38, wherein said nonionic surfactant monomers are represented by at least one formula selected from the group consisting of:

- a) $A-C(=O)-O-[(CH_2-CH(R_1)-O)_n-R]$ (I)

b) $R'-[O-CH(R'_1)-CH_2]_n-O-(O=C-A'-C(=O)-O-[CH_2-CH(R_1)-O]_n-R$ (I')

wherein said n and said n' each are in a range of from about 1 to about 50;
wherein said A is an unsaturated aliphatic monovalent radical comprising from about 2 to about 6 carbon atoms;
wherein said A' is an unsaturated aliphatic divalent radical comprising from about 2 to about 6 carbon atoms;
wherein said R₁ and said R'₁ each comprise at least one component selected from the group consisting of a hydrogen atom, a methyl radical, and an ethyl radical;
wherein said R and said R' each comprise an aliphatic hydrocarbon radical which is saturated, unsaturated, linear, or branched; and
wherein said aliphatic hydrocarbon radicals of said R and said R' each further comprise from about 8 to about 30 carbon atoms.

Claim 64 (new): The composition according to Claim 63, wherein said A comprises at least one component selected from the group consisting of:

- a) vinyl radical, and
- b) 2-propenyl radical.

Claim 65 (new): The composition according to Claim 63, wherein said A' comprises at least one component selected from the group consisting of:

- a) 1,2-ethenediyl radical, and
- b) 2-propene-1,2-diyl radical.

Claim 66 (new): The composition according to Claim 63, wherein said aliphatic hydrocarbon radicals of said R and said R' each comprise from about 8 to about 18 carbon atoms.

Claim 67 (new): The composition according to Claim 63, wherein said R and said R' each comprise at least one linear primary alcohol selected from the group consisting of:

- a) octyl,
- b) pelargonic,
- c) decyl,
- d) undecyl,
- e) undecenyl,
- f) lauryl,

- g) tridecyl,
- h) myristyl,
- i) pentadecyl,
- j) cetyl,
- k) heptadecyl,
- l) stearyl,
- m) oleyl,
- n) linoleyl,
- o) nonadecyl,
- p) arachidyl,
- q) behenyl, and
- r) erucyl.

Claim 68 (new): The composition according to Claim 63, wherein said R and said R' each comprise at least one 1-triacontanoic alcohol selected from the group consisting of:

- a) octyl,
- b) nonyl,
- c) decyl,
- d) undecyl,
- e) 10-undecenyl,
- f) dodecyl,
- g) tridecyl,
- h) tetradecyl,
- i) pentadecyl,
- j) hexadecyl,
- k) heptadecyl,
- l) octadecyl,
- m) 9-octadecenyl,
- n) 10,12-octadecadienyl,
- o) 13-docosenyl, and
- p) triacontanyl radicals.

Claim 69 (new): The composition according to Claim 63, wherein said R₁ and R'₁ each further comprise a hydrogen atom.

Claim 70 (new): The composition according to Claim 63, wherein said n and n' each comprise a range of from about 1 to about 10.

Claim 71 (new): The composition according to Claim 38, wherein:

- a) from about 5% to about 35% of said copolymerized monomeric units comprise said cationic monomer;
- b) from about 55% to about 95% of said copolymerized monomeric units comprise said neutral monomer; and
- c) from about 0.1% to about 5% of said copolymerized monomeric units comprise said nonionic surfactant monomer.

Claim 72 (new): The composition according to Claim 71, wherein said composition further comprises a non-zero proportion of N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]-propenamide monomer.

Claim 73 (new): The composition according to Claim 72, wherein:

- a) from about 5% to about 35% of said copolymerized monomeric units comprise said cationic monomer;
- b) from about 35% to about 91% of said copolymerized monomeric units comprise said neutral monomer;
- c) from about 0.1% to about 5% of said copolymerized monomeric units comprise said nonionic surfactant monomer; and
- d) from about 3% to about 20% of said copolymerized monomeric units comprise said N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]propenamide monomer.

Claim 74 (new): The composition according to Claim 73, wherein said composition is not crosslinked.

Claim 75 (new): The composition according to Claim 73, wherein said composition is crosslinked.

Claim 76 (new): The composition according to Claim 75, wherein said crosslinked agent is selected from the group consisting of:

- a) diethylenic,

- b) polyethylenic compounds,
- c) diallyloxyacetic acid,
- d) sodium salt,
- e) triallylamine,
- f) trimethylol propanetriacrylate,
- g) ethylene glycol dimethacrylate,
- h) diethylene glycol diacrylate,
- i) diallylurea, and
- j) methylene bis(acrylamide).

Claim 77 (new): The composition according to Claim 76, wherein the molar proportion of said crosslinked agent is in a range of from about 0.005% to about 1% of the total composition.

Claim 78 (new): The composition according to Claim 77, wherein said proportion is in a range of from about 0.01% to about 0.2%.

Claim 79 (new): The composition according to Claim 78, wherein said proportion is in a range of from about 0.01% to about 0.1%.